

Supplementary material

Elemental profiling of adrenal adenomas in tissue and blood samples by ICP-MS and ICP-OES

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Table S1a

The parameters of descriptive statistics for the amounts of micro- (ng/g) and macroelements (µg/g) in HAT and AAT samples. The difference between groups was examined by Mann-Whitney U-test ($P < 0.05$). Statistically significant values are in **bold**.

		Mn	Co	Cu	Zn	As	Se	Cd	Pb	U	Ca	Na	K	Mg
HAT	mean	319	18.0	1209	6134	44.8	166	142	32.1	0.20	112	859	1233	640
	st.dev.	146	7.01	417	2613	14.0	72.1	81.2	18.6	0.14	64.0	260	564	303
	min	91	8.02	574	1666	16.7	56.2	9.03	9.51	0.11	43.3	348	298	138
	max	603	32.9	1913	10718	87.9	333	282	94.8	0.77	414	1468	2336	1153
	median	317	17.5	1208	6138	45.0	168	140	30.7	0.16	104	860	1232	656
AAT	mean	612	18.6	1731	7839	44.8	253	153	49.6	0.22	117	924	2019	108
	st.dev.	209	6.50	329	1393	33.0	52	94.1	36.7	0.17	80.6	324	379	19.8
	min	283	9.90	1031	4011	12.7	175	28.2	7.70	0.05	43.4	544	916	52.1
	max	1126	36.1	2277	10338	170.4	378	444	159	0.85	414	1948	2629	140
	median	611	18.3	1729	7840	44.3	251	153	45.6	0.19	95.5	921	2024	107
U-test	P-value	<0.01	0.71	<0.01	<0.01	0.42	<0.01	0.49	0.04	0.56	0.82	0.61	<0.01	<0.01

Table S1b

The parameters of descriptive statistics for the amounts of micro- (ng/g) and macro- elements (µg/g) in HB and AB samples. The difference between groups was examined by Mann-Whitney U-test ($P < 0.05$). Statistically significant values are in **bold**.

		Mn	Co	Cu	Zn	As	Se	Cd	Pb	U	Ca	Na	K	Mg
HB	mean	14.6	1.88	1006	5147	0.70	86.1	0.78	23.8	0.05	94.2	3235	163	21.2
	st.dev.	7.10	0.58	246	1130	0.49	28.0	0.57	12.1	0.02	6.32	65.6	19.9	3.20
	min	4.50	0.59	205	3268	0.02	46.0	0.10	6.10	0.01	84.8	3128	135	16.0
	max	36.1	2.95	1468	8194	2.38	157	2.14	47.2	0.11	103	3359	198	26.8
	median	13.0	1.91	998	5084	0.66	80.1	0.65	21.2	0.04	95.3	3234	161	21.2
AB	mean	12.4	0.64	626	1926	6.31	61.1	0.56	10.6	0.01	40.6	1864	1125	18.5
	st.dev.	4.60	0.23	102	241	1.90	9.40	0.24	3.80	0.01	1.97	185	33.7	1.83
	min	5.80	0.30	450	1373	2.59	40.4	0.26	3.60	0.01	36.2	1180	1035	15.9
	max	23.0	1.23	845	2507	9.04	76.0	1.28	16.9	0.03	44.9	2025	1216	22.9
	median	12.0	0.60	621	1926	6.80	62.1	0.53	10.0	0.01	40.6	1899	1125	18.2
U-test	P-value	0.28	<0.01	<0.01	<0.01	<0.01	<0.01	0.23	<0.01	<0.01	<0.01	<0.01	<0.01	0.20